FIG. 1

FIG. 2

FIG. 3

OFF HOOK

226

⟨ UNOCCUPIED CAPACITY ⟩ —N

Y

221

Y— ⟨ $N_V < K_V$ ⟩

N

222

N— ⟨ $C - N_{DATA} = K_V$ ⟩

Y

223

Y— ⟨ VOICE CALL ⟩
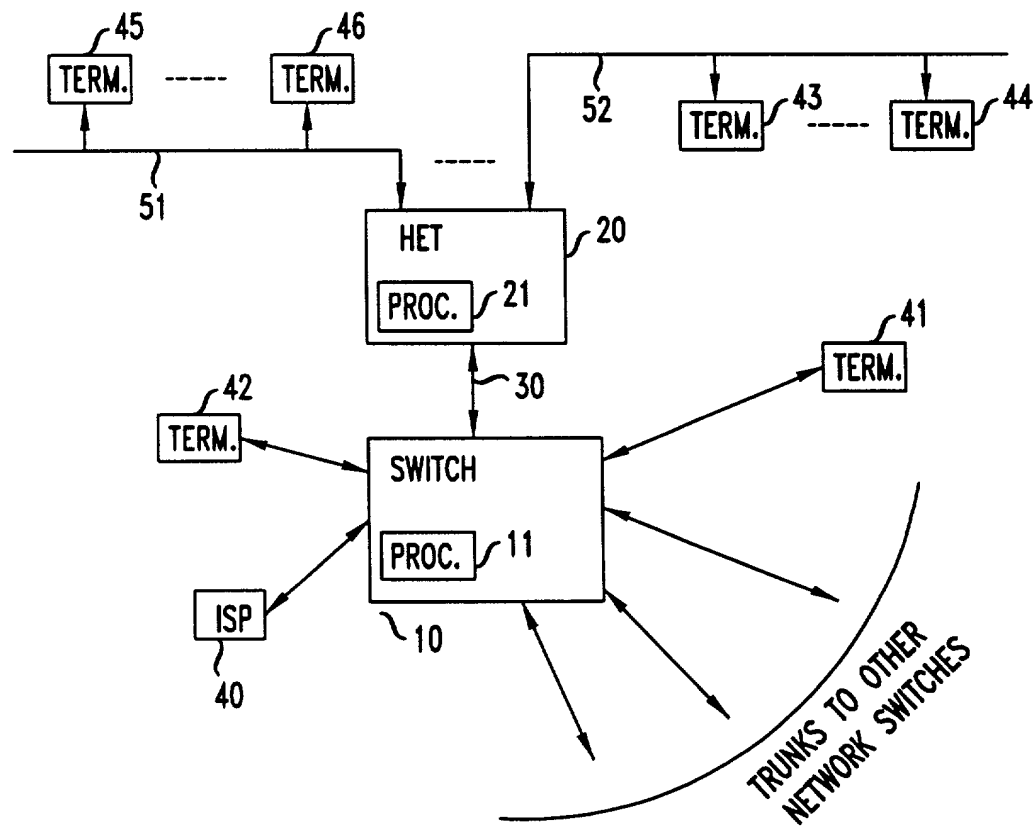
N

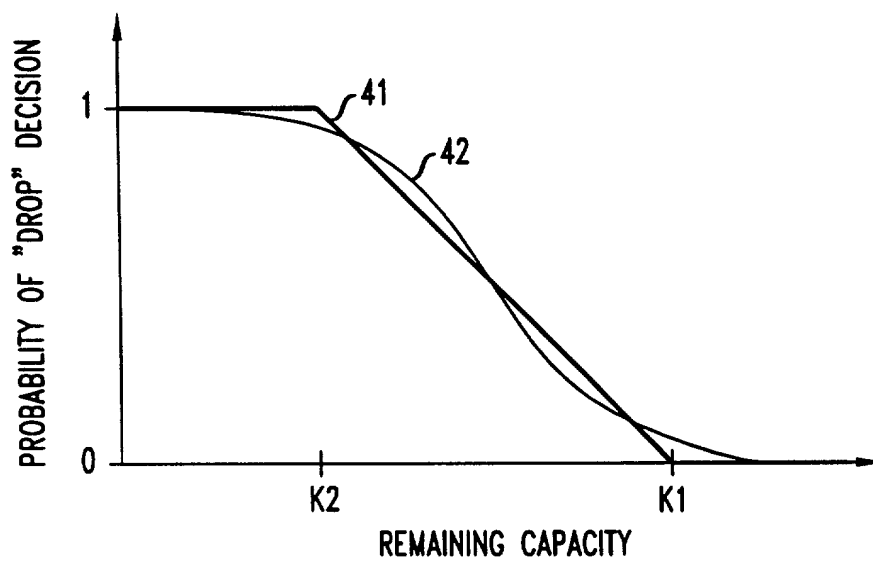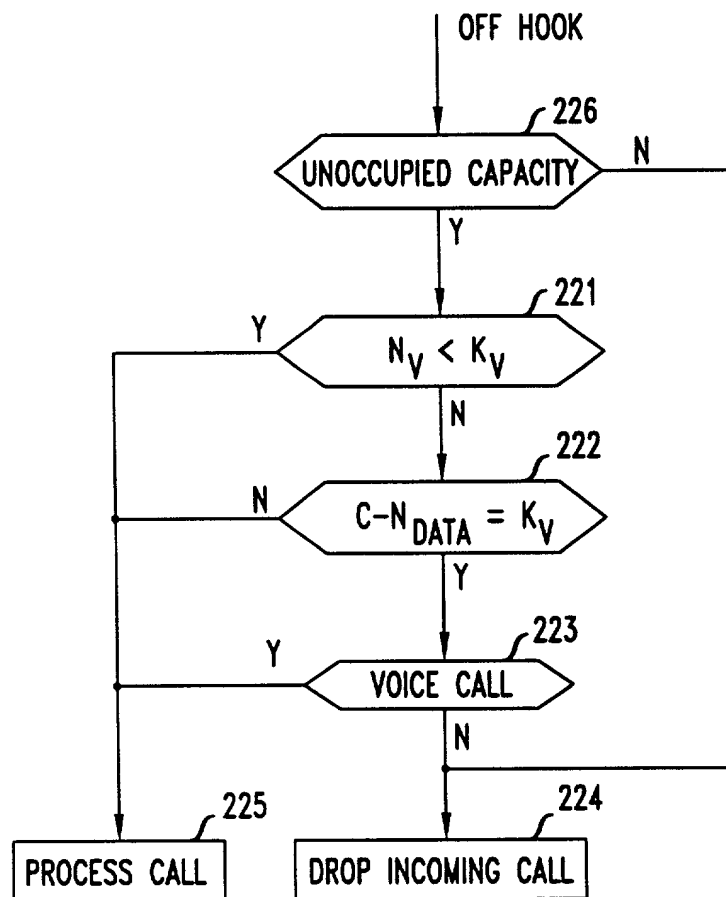225

PROCESS CALL

224

DROP INCOMING CALL

C   — TOTAL CAPACITY

K_V — RESERVED NUMBER OF VOICE CONNECTION CHANNELS

N_{DATA} — NUMBER OF SERVICED DATA CONNECTIONS

N_V — NUMBER OF SERVICED VOICE CONNECTIONS

FIG. 4

OFF HOOK

N — APPLICABLE TO CALLING NUMBER 201

Y

N — RETRY ATTEMPT 202

MAYBE

Y — TIME FROM LAST TRY, T, >T1 203

N

$N=N+1$ 204

N — N>K 205

Y

$T1 \geqslant T > T2$ — TIME FROM LAST TRY — $T2 \geqslant T \geqslant T3$ 206

207 $\alpha = \alpha 1$ $\alpha = \alpha 2$ 208

209 RE-DIALER — Y

N $\alpha = \alpha + k$ 210
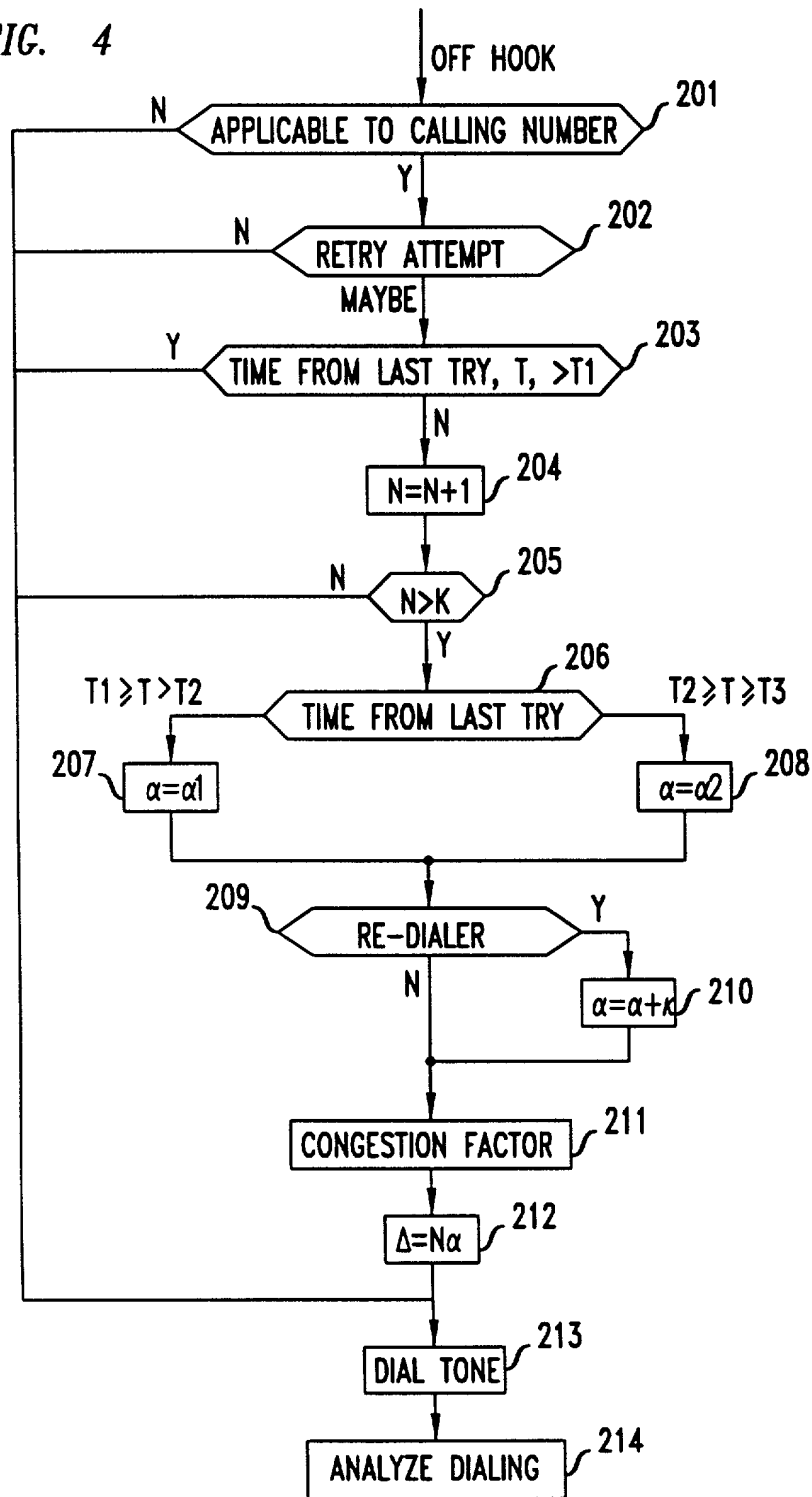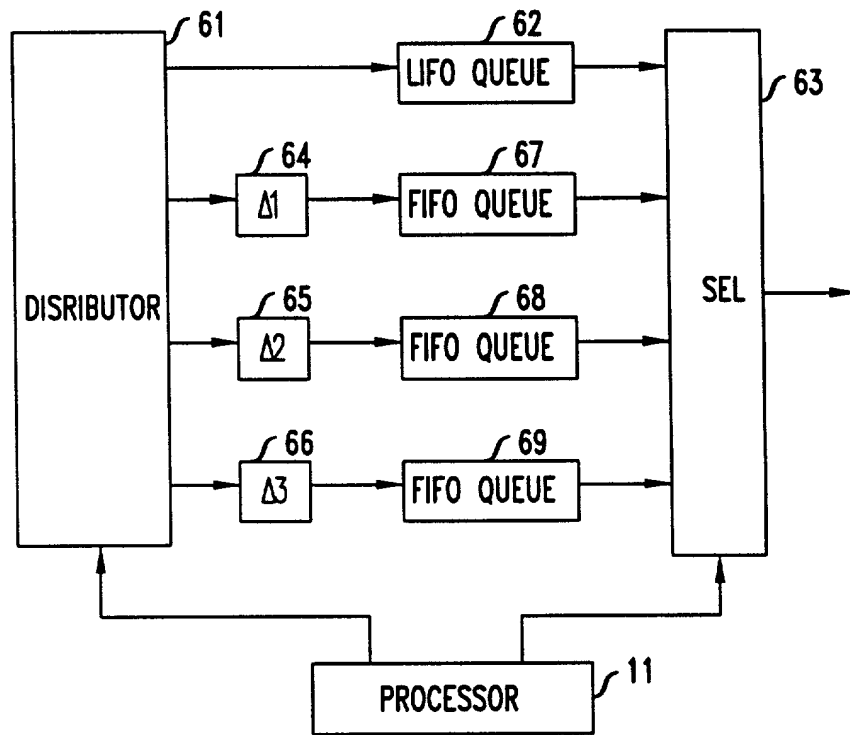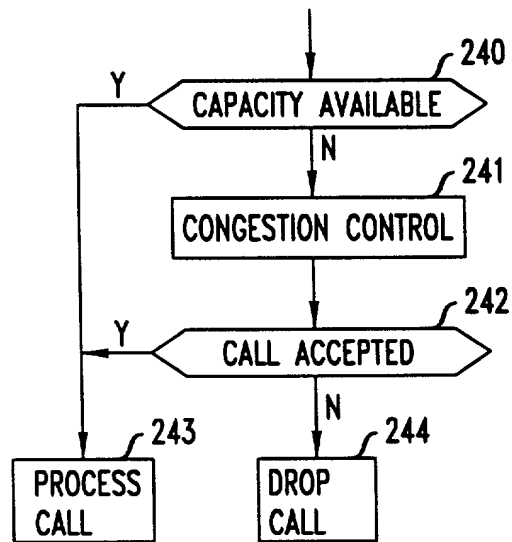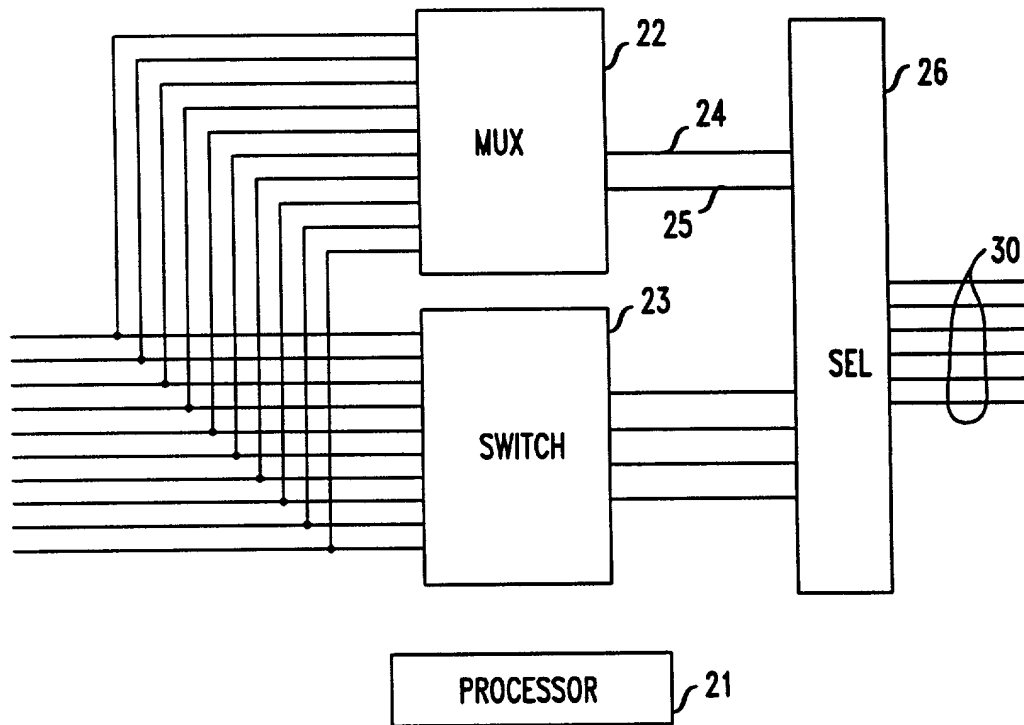
CONGESTION FACTOR 211

$\Delta = N\alpha$ 212

DIAL TONE 213

ANALYZE DIALING 214

FIG. 5

FIG. 6

FIG. 7

FIG. 8